

## ABSTRACT OF THE DISCLOSURE

A shaft has a seal journal with a plurality of raised spherical bumps. These microscopic spherical bumps provide a smooth, edge-free contact surface for the seal which is positioned around the seal journal of the shaft. The valleys or spaces between these bumps serve to retain lubricant, thereby promoting hydrodynamic lubrication between the seal and seal journal, reducing friction and reducing or eliminating wear on the seal.

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